LG
Life's Good

LCD TV

47LH90

47" Full HD 1080p LED Backlit 240Hz LCD TV

(47.0" diagonal)

Unlike other LED HDTVs that use "edge" lighting, LG's LH90 uses a full array of LED backlights which employ local dimming techniques for more precise picture control, resulting in deeper blacks, a wider color gamut and smoother motion, for a more natural picture.

TV

- LED Backlight with Local Dimming
- TruMotion 240Hz
- Intelligent Sensor Mode
- Full HD 1080p HD Resolution
- 2,000,000:1 Dynamic Contrast Ratio
- 2.4ms Response Time (GTG)
- 500 cd/m2 Brightness
- Wide Color Gamut
- Super IPS Panel
- Wide Viewing Angle
- XD Engine®
- 24p Real Cinema
- ISFccc® Ready
- Picture Wizard
- AV Mode II (Cinema, Sports, Game)
- NTSC/ATSC Tuners with Clear QAM

AUDIO

- Output Power: 10W x 2
- Invisible Speaker System
- Clear Voice II
- SRS TruSurround XT™
- Smart Volume Controller
- Dolby® Digital 5.1 Decoder

SMART ENERGY SAVINGS

- Backlight Control
- Video Mute
- ENERGY STAR® 3.0 Compliant

CONNECTIVITY

- 4 HDMI™ V.1.3 with Deep Color (3 rear/1 side)
- SIMPLINK™ Connectivity
- 2 HD Component Video Inputs (rear)
- 2 Composite Input (1 rear/1 side)
- 1 Digital Audio Out (Optical) (rear)
- USB 2.0 (JPEG, MP3, DivX) (side)
- PC Connectivity (D-sub 15pin)
- RF Antenna Input

CORE TECHNOLOGIES | AV MODE II | invisible SPEAKER | CLEAR VOICE II | Picture Wizard

LED Mega Contrast | TruMotion 240Hz | FULL HD 1080P | In Plane Switching | XD ENGINE | 24 REAL CINEMA | isf ccc | SIMPLINK

SRS TruSurround XT | Smart Volume Controller | DOLBY DIGITAL | Smart Energy Saving | ENERGY STAR | HDMI | USB 2.0 | 20° Swivel Stand

LGusa.com

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LCD SPECIFICATION	
Screen Size (Class)	47" Class (47.0" diagonal)
LED Backlight with Local Dimming	•
Native Display Resolution	1920 x 1080p
Brightness (cd/m²)	500
Dynamic Contrast Ratio	2,000,000:1
Viewing Angle	178° / 178°
Response Time	2.4ms
TruMotion 240Hz	•
True Viewing Angle	•
BROADCASTING SYSTEM	
Analog	•
ATSC/NTSC/Clear QAM	•
VIDEO	
XD Engine	•
Aspect Ratio	16:9
Aspect Ratio Correction	6 Modes
Just Scan (1:1 Pixel Matching)	
- HDMI	1080p/1080i/720p
- Component	1080p/1080i/720p
- RF	1080i/720p
Enhanced Noise Reduction (Video Noise Filter)	• (3D & MPEG)
Color Temperature Control	3 Modes
24p Real Cinema	• (5:5)
3:2 Pulldown	•
Picture Reset	•
AV Mode II (Picture & Sound)	3 Modes
Picture Mode	8 Modes
ISFccc Ready	•
Intelligent Sensor Mode	•
xvYCC	•
DTV Signal Strength Indicator	•
AUDIO	
Mono/Stereo/Dual (MTS/SAP)	•
Audio Output Power (Watts - THD 10%)	10W + 10W
Invisible Speaker System Details	2 Way 4 Speaker
Dolby Digital 5.1 Decoder	•
Surround System Type	SRS TruSurround XT
Bass/Treble/Balance Controls	•
Clear Voice II	•
Auto Volume Leveler II	•
Sound Mode	5 Modes
SPECIAL FEATURES	
Picture Wizard	•
Backlight Control	•
Smart Energy Saving	•
Mechanical Power Off	•
1080p Source Input	
- HDMI	60p/30p/24p
- Component	60p/30p/24p
- RGB	60p
A/V Input Navigation	•
Input Labeling	•
Quick View (Previous Channel)	•
Quick Setup Guide	•
e-Manual	•
Parental Control w/V-Chip	•
Key Lock	•
Closed Caption	•
LG SIMPLINK (HDMI CEC)	•
CONVENIENCE FEATURES	
Language	English/Spanish/French/Korean
Auto Tuning/Programming	•
Channel Add/Delete	•
Channel Labeling	•
Favorite Channel Programming	•
Auto/Manual Clock	•
On/Off Timer	•
Sleep Timer	•
Auto Off/Auto Sleep (When no video is present)	•
L/R Audio/Component Video In	1
HDMI/HDCP Input	1 (V.1.3 with Deep Color)

SIDE AUDIO/VIDEO INPUTS/OUTPUTS	
USB 2.0 (JPEG/MP3/DivX)	1
REAR AUDIO/VIDEO INPUTS/OUTPUTS	
RF In (Antenna/Cable)	1
L/R Audio/Composite Video In	1
HD Component Video In (Y,Pb,Pr) + L/R Audio	2
Digital Audio Out (Optical)	1
HDMI/HDCP Input	3 (V.1.3 with Deep Color)
RGB In (D-Sub 15pin) - PC	1
PC Audio Input	1
RS-232c In (Control/Service)	1
CABINET/ACCESSORIES	
Cabinet Color	Glossy Black/Blue
Swivel Stand (degrees)	20° / 20°
VESA® Compliant (WxH)	200mm x 200mm
Remote Control Type	Unified
POWER	
Voltage, Hz	100V - 240V, 50/60 Hz
On Mode (Average)	TBD
Stand-by Mode	>1W
ENERGY STAR 3.0 Compliant	•
DIMENSIONS & WEIGHT	
TV without stand (WxHxD)	46.4" x 30.7" x 4.2"
TV with stand (WxHxD)	46.4" x 33.6" x 15.7"
Shipping Dimensions (WxHxD)	TBD
TV without stand weight	51.8 lbs
TV with stand weight	56.0 lbs
Shipping weight	TBD
WARRANTY/UPC	
Limited Warranty	1 Year Parts & Labor
UPC	719192174689

Design, features and specifications subject to change without notice.
Non-metric weights and messurements are approximate.
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